direct current and direct voltage via the converter without intermediate transformers and/or reactors, and wherein direct current and direct voltage are convertable via the converter into a mechanical torque without intermediate transformers and/or reactors.

2. (Amended) An installation according to claim 1, wherein [characterized in that] the converter comprises semiconductor devices which are connected and function as at least one of an AC/DC converter and a DC/AC converter.

5. (Amended) An installation according to [claims 1 and 2, characterized in that] claim 2, wherein to the AC/DC rectifier there is connected a DC/AC inverter with direct connection to an ac network without intermediate transformers and/or reactors.

6. (Amended) An installation according to [claims 3 and 4, characterized in that] claim 2, wherein to the dc side of the DC/AC inverter there is connected a DC/AC rectifier with direct connection to an ac network without intermediate transformers and/or reactors.

7. (Amended) An installation according to [claims 2 and 4, characterized in that to] claim 2, wherein the semiconductor devices comprise at least one [may consist] of thyristors, diodes, triacs, gate turn-off thyristors (GTO), bipolar transistors (BJT), PWM transistors, MOSFET, insulated gate bipolar transistors (IGBT), static induction transistors (SIT), static induction thyristors (SITH), MOS-controlled thyristors (MCT) and [similar] components with semiconductor properties.

8. (Amended) An installation according to [claims 1, 2, 3 and 4, characterized in that] claim 1, wherein the converters comprise [constitute] an integral part of the rotating high-voltage single-winding/multiple-winding machine.

11. (Amended) An installation according to [claims 1, 2 and 5, characterized in that] claim 2, further comprising a common cooling system for the rotating high-voltage single-winding/multiple-winding machine and the semiconductor devices [have a common cooling system].

13. (Amended) An installation according to [claims 1, 2 and 5, characterized in that] claim 2, wherein the rotating high-voltage single-winding/multiple-winding machine and the semiconductor devices have the same and common ground connection.

15. (Amended) An installation according to claim [claims] 1 [and 3 and wherein the rotating high-voltage single-winding/multiple-winding machine comprises a magnetic circuit with one or more magnetic cores and one or more windings phase-shifted in space, characterized in that the windings comprise] , wherein the cable comprises at least one [or more] current-carrying [conductors (2), that around each] conductor, [there is arranged] a first layer [(3)] with semiconducting properties surrounding the conductor;[, that around the first layer there is arranged] a solid insulating layer [(4)], and [that around the insulating layer there is arranged] a second layer [(5)] with semiconducting properties surrounding the insulating layer.

16. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to claim 15, [characterized in that] wherein the first layer [(3)] is at substantially the same potential as the conductor.

17. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to claim 15, [characterized in that] wherein the second layer [(5)] comprises [is arranged in such a way that it constitutes] an equipotential surface surrounding the conductor[/conductors].

18. (Amended) A rotating high-voltage, single-winding/multiple-winding machine according to claim 15, [characterized in that] wherein the second layer [(5)] is [connected] connectable to ground potential.

19. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to claim 15, [16, 17 or 18, characterized in that] wherein the first layer, the insulating layer and the second layer [, for the winding, all the semiconducting layers and insulating layers] exhibit similar thermal properties, such that, upon a thermal movement in the winding, substantially no defects, cracks, or the like, occur in the insulating parts.

20. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to claim 15, [characterized in that] and wherein the current-carrying conductor comprises a first number of insulated strands and a second [, whereby only a small] number of [the strands are] non-insulated strands [from each other] said second number being less than the first one.

21. (Amended) A rotating high-voltage single-winding/multiple-winding machine wherein the magnetic circuit comprises a magnetic core and one or more windings phase-shifted in space, [characterized in that] wherein the windings comprise a cable including one or more current carrying conductors [(2)], [that] each conductor comprises a number of strands, [that] around each conductor there is arranged an inner semiconducting layer [(3)], around which there is arranged an insulating layer [(4)] of solid insulation, around which there is arranged an outer semiconducting layer [(5)].

22 (Amended), line 2, delete "characterized in that" and insert --wherein--.

23 (Amended), line 2, delete "characterized in that" and insert --wherein--.

24 (Amended), line 2, delete "characterized in that" and insert --wherein--;

Line 3, delete "(5)".

25. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to claim 21, [22, 23 or 24, characterized in that] wherein with connection of the outer semiconducting layer to ground potential, the electric field of the machine outside the semiconducting layer both in the slots and in the coil-end region will be near zero.

26. (Amended) A rotating high-voltage single-winding/multiple-winding machine according to [claims] claim 21 [and 22, characterized in that] wherein when the cable comprises several conductors, these are transposed.

27 (Amended), line 2, delete "characterized in that" and insert --wherein--;

Line 3, delete "(2)".

28 (Amended), line 2, delete "characterized in that" and insert --wherein--;

Line 3, delete "(2)".

29. (Amended) A rotating high-voltage single-winding/multiple-winding machine with a magnetic circuit according to claim 21, [characterized in that] wherein the slots [(10)] are formed as a number of cylindrical openings [(12)], extending axially and radially outside one another, with a substantially circular cross section separated by a narrower waist portion [(13)] between the cylindrical openings.

30. (Amended) A rotating high-voltage single-winding/multiple-winding machine with a magnetic circuit according to [claims] claim 21 [and 29, characterized in that] the substantially circular cross section of the cylindrical openings [(12)] of the slots, counting from a back portion [(8)] of the laminated core, is designed with a continuously decreasing radius.

31. (Amended) A rotating high-voltage single-winding/multiple-winding machine with a magnetic circuit according to [claims] claim 21 [and 29, characterized

in that] the substantially circular cross section of the cylindrical openings [(12)] of the slots, counting from a back portion [(8)] of the laminated core, is designed with a discontinuously decreasing radius.

32 (Amended), line 3, delete "characterized in that" and insert --wherein--.

33 (Amended), line 2, delete "characterized in that" and insert --wherein--.

34 (Amended), line 2, delete "characterized in that" and insert --wherein--.

35 (Amended), line 2, delete "characterized in that" and insert --wherein--.

36. (Amended) A method for manufacturing a rotating high-voltage single-winding/multiple-winding machine having [comprising] a magnetic circuit with [comprising] a magnetic core formed with openings for receiving the winding [comprising] slots, channels or the like, whereby these slots etc. have] at least one of said openings, being accessible from the outside of the magnetic core, [and a winding, characterized in that] said winding comprising a flexible cable comprising the step of threading the [winding is] flexible cable [and is threaded] into the opening.

37. (Amended) A method for manufacturing a magnetic circuit for a rotating high-voltage single-winding/multiple-winding machine according to claim 36, wherein the magnetic circuit is arranged in at least one of the stator and[/or] the rotor [of the

rotating electric machine,] which magnetic circuit comprises at least [a magnetic core (8) with slots (10) for] two [or more] windings [(1),] phase-shifted in space, and wherein the openings comprise slots [are] formed as cylindrical openings [(12),] extending axially and radially outside one another, with a substantially circular cross section for receiving the cable being threaded therethrough [, the method being characterized in that the winding comprises a cable which is threaded into the cylindrical openings].

38. (Amended) A method for manufacturing a magnetic circuit for a rotating high-voltage single-winding/multiple winding machine according to claim 36, wherein the magnetic circuit is arranged in at least one of the stator and[/or] the rotor [of the rotating electric machine] and includes [is formed as] salient poles[, the method being characterized in that the winding comprises a] comprising the step of winding the cable [which is wound] around the salient poles.

Add the following new claims 39-51.

--39. An installation including a rotating high voltage electric machine and a converter, the machine comprising a stator; a rotor and a winding, wherein said winding comprises a cable including at least one current-carrying conductor and a magnetically permeable, electric field confining insulating cover surrounding the conductor, said cable forming at least one uninterrupted turn in the corresponding winding of said machine.

40. The installation of claim 39, wherein the cover comprises an insulating layer surrounding the conductor and an outer layer surrounding the insulating layer, said outer layer having a conductivity sufficient to establish an equipotential surface around the conductor.

41. The installation of claim 39, wherein the cover comprises an inner layer surrounding the conductor and being in electrical contact therewith; an insulating layer surrounding the inner layer and an outer layer surrounding the insulating layer.

42. The installation of claim 41, wherein the inner and outer layers have semiconducting properties.

43. The installation of claim 39, wherein the cover is formed of a plurality of layers including an insulating layer and wherein said plurality of layers are substantially void free.

44. The installation of claim 39, wherein the cover is in electrical contact with the conductor.

45. The installation of claim 39, wherein the layers of the cover have substantially the same temperature coefficient of expansion.

46. The installation of claim 39, wherein the machine is operable at 100% overload for two hours.

47. The installation of claim 39, wherein the cable is operable free of sensible end winding loss.